



**Australian Government**

# **MSTTF2006 Measure and scale geometric shapes**

**Release: 1**

# MSTTF2006 Measure and scale geometric shapes

## Modification History

Release 1. Supersedes and is equivalent to LMTTF2006A Measure and scale geometric shapes

## Application

This unit of competency covers the skills and knowledge required to take accurate measurements and related information from customer information or actual objects or structures.

The unit of competency applies to taking accurate measurements, scaling shapes and applying related information using manual processes.

It may involve interaction with enterprise clients either individually or in collaboration with other personnel from the enterprise. Work may be conducted in operational indoor or outdoor workplaces

Work may be conducted in small to large scale enterprises and may involve individual and team activities. Work is performed within defined procedures may require the exercise of discretion and judgement.

This unit may be assessed independently or in combination with other relevant units.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

## Pre-requisite Unit

MSTTF2005 Translate information into measurements or diagrams

## Competency Field

Textile fabrication

## Unit Sector

Not applicable

## Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

- |   |   |  |
|---|---|--|
| 1 | <b>Interpret information</b>                            | 1.1 Interpret drawings, sketches or diagrams provided by customer  |
|   |   | 1.2 Read and apply workplace procedures and instructions   |
|   |   | 1.3 Read established dimensions from supplied drawings or other information  |
|   |   | 1.4 Consult customer to identify missing dimensions or other unknown aspects of the product  |
|   |   | 1.5 Scale drawings or diagrams where necessary to obtain dimensions needed for production  |
|   |   | 1.6 Select appropriate tools, equipment and resources  |
| 2 | <b>Obtain relevant dimensions from physical objects</b> | 2.1 Use manual measuring and scaling techniques  |
|   |   | 2.2 Measure and record physical dimensions from buildings, architectural structures, vehicles, caravans, or marine craft, as appropriate |
|   |   | 2.3 Calculate or otherwise determine and record angles for future reference  |
|   |   | 2.4 Identify and determine geometric shapes, establish positions of clear panels and record relevant information                         |
|   |   | 2.5 Apply work health and safety (WHS) practices during the gathering of measurements both on and off site                               |
| 3 | <b>Record and communicate data</b>                      | 3.1 Record and store data using established workplace format and documentation   |
|   |   | 3.2 Pass on data and associated information to personnel responsible for further action within the organisation                          |

## Foundation Skills

This section describes those required skills (language, literacy and numeracy) that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

**Workplace procedures include one or more of the following:**

- requirements prescribed by legislation, awards, agreements and conditions of employment
- standard operating procedures (SOPs)
- work instructions
- oral, written and visual communication
- quality practices, including responsibility for maintenance of own work quality and contribution to quality improvement of team or section output
- housekeeping
- tasks related to environmental protection, waste disposal, pollution control and recycling
- WHS practices

**Australian Standards include:**

- the relevant industry or Australian Standards that are current at the time this unit is being undertaken

**Tools, equipment and resources include one or more of the following:**

- measuring equipment
- rules
- squares
- protractors
- calculators

**WHS practices**

WHS practices include hazard identification and control, risk assessment and implementation of risk reduction measures specific to the tasks described by this unit, and include one or more of the following:

- manual handling techniques
- SOPs
- personal protective equipment (PPE)
- safe materials handling
- taking of rest breaks
- ergonomic arrangement of workplaces
- following marked walkways
- safe storage of equipment
- housekeeping
- reporting accidents and incidents

- environmental practices

## **Unit Mapping Information**

Release 1. Supersedes and is equivalent to LMTTF2006A Measure and scale geometric shapes

## **Links**

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>